

### Magic Phono Squares ("ie" as in *pie* and *chief*)

Directions: Find the word that matches the meaning. Place the number and write the word. Next place the number next to the correct letter in the Magic Square. When you add the numbers in all directions, it will have the same sum.

A = <u>17</u>	B = ____	C = ____	D = ____
E = ____	F = ____	G = ____	H = ____
I = ____	J = ____	K = ____	L = ____
M = ____	N = ____	O = ____	P = ____

- |  |                               |
|--|-------------------------------|
| A. Something to eat <u>17</u> <u>pie</u> | I. A robber    ____           |
| B. A part    ____                        | J. Short in time    ____      |
| C. To stop living    ____                | K. A loud sharp cry    ____   |
| D. Head of tribe    ____                 | L. Fasten with knot    ____   |
| E. Feel that it is true    ____          | M. Open land    ____          |
| F. Strong, violent    ____               | N. Daughter of sister    ____ |
| G. Church leader    ____                 | O. To make hole    ____       |
| H. Feeling very sad    ____              | P. To get back    ____        |

<b>6 retrieve</b>	<b>10 believe</b>	<b>14 thief</b>	<b>18 chief</b>
<b>7 die</b>	<b>11 brief</b>	<b>15 fierce</b>	<b>19 pierce</b>
<b>8 piece</b>	<b>12 shriek</b>	<b>16 priest</b>	<b>20 niece</b>
<b>9 field</b>	<b>13 grief</b>	<b>17 tie</b>	<b>21 pie</b>

\*The Magic Sum is \_\_\_\_\_.

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E = <u>10</u>	F = <u>15</u>	G = <u>16</u>	H = <u>13</u>
I = <u>14</u>	J = <u>11</u>	K = <u>12</u>	L = <u>17</u>
M = <u>9</u>	N = <u>20</u>	O = <u>19</u>	P = <u>6</u>

- |  |  |
|--|--|
| A. Something to eat <u>21</u> <u>pie</u>         | I. A robber <u>14</u> <u>thief</u>           |
| B. A part <u>8</u> <u>piece</u>                  | J. Short in time <u>11</u> <u>brief</u>      |
| C. To stop living <u>7</u> <u>die</u>            | K. A loud sharp cry <u>12</u> <u>shriek</u>  |
| D. Head of tribe <u>18</u> <u>chief</u>          | L. Fasten with knot <u>17</u> <u>tie</u>     |
| E. Feel that it is true <u>10</u> <u>believe</u> | M. Open land <u>9</u> <u>field</u>           |
| F. Strong, violent <u>15</u> <u>fierce</u>       | N. Daughter of sister <u>20</u> <u>niece</u> |
| G. Church leader <u>16</u> <u>priest</u>         | O. To make hole <u>19</u> <u>pierce</u>      |
| H. Feeling very sad <u>13</u> <u>grief</u>       | P. To get back <u>6</u> <u>retrieve</u>      |

<b>6 retrieve</b>	<b>10 believe</b>	<b>14 thief</b>	<b>18 chief</b>
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\*The Magic Sum is 54.

## Multiple Number Operations ("ie")

Directions: Count the number of sounds in each word and place the number under the word. Then either add, subtract or multiply all numbers.

pierce		tier		shield	
___	x	___	-	___	= _____

priest		thief		shriek	
___	+	___	x	___	= _____

lien		piece		brief	
___	x	___	+	___	= _____

chief		grieve		siege	
___	+	___	x	___	= _____

believe		thief		wield	=
___	-	___	x	___	= _____

## Divisicode ("ie" as in *chief*)

**Directions:** Solve the following problems and write in the corresponding letter(s). What is the word?

b = 1  
ch = 2  
d = 3  
f = 4

g = 5  
ie = 6  
l = 7  
r = 8  
th = 9

1.  $2 \overline{) 8}$        $5 \overline{) 30}$        $2 \overline{) 14}$        $2 \overline{) 6}$

\_\_\_\_\_ = \_\_\_\_\_

2.  $2 \overline{) 10}$        $2 \overline{) 16}$        $4 \overline{) 24}$        $5 \overline{) 20}$

\_\_\_\_\_ = \_\_\_\_\_

3.  $2 \overline{) 18}$        $3 \overline{) 18}$        $3 \overline{) 12}$

\_\_\_\_\_ = \_\_\_\_\_

4.  $3 \overline{) 6}$        $1 \overline{) 6}$        $4 \overline{) 16}$

\_\_\_\_\_ = \_\_\_\_\_

5.  $4 \overline{) 4}$        $3 \overline{) 24}$        $2 \overline{) 12}$        $1 \overline{) 4}$

\_\_\_\_\_ = \_\_\_\_\_

# Divisicode ("ie" as in *chief*)

**Directions:** Solve the following problems and write in the corresponding letter(s). What is the word?

b = 1  
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th = 9

1.  $2 \overline{) 8}$      $5 \overline{) 30}$      $2 \overline{) 14}$      $2 \overline{) 6}$   
f    ie    l    d    = field

2.  $2 \overline{) 10}$      $2 \overline{) 16}$      $4 \overline{) 24}$      $5 \overline{) 20}$   
g    r    ie    f    = grief

3.  $2 \overline{) 18}$      $3 \overline{) 18}$      $3 \overline{) 12}$   
th    ie    f    = thief

4.  $3 \overline{) 6}$      $1 \overline{) 6}$      $4 \overline{) 16}$   
ch    ie    f    = chief

5.  $4 \overline{) 4}$      $3 \overline{) 24}$      $2 \overline{) 12}$      $1 \overline{) 4}$   
b    r    ie    f    = brief

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- |  |                               |
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<b>6 retrieve</b>	<b>10 believe</b>	<b>14 thief</b>	<b>18 chief</b>
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\*The Magic Sum is 54.

# Phonogram Math: ie Weight

Read the following words:

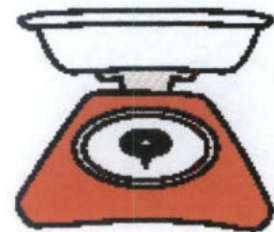
fief	brief	chief	thief	grief	priest
piece	niece	field	yield	shield	sieve
pierce	fierce	shriek	grieve	siege	tier

Figure the weight of each word in ounces/pounds (there are 16 ounces in a pound). Abbreviation for ounces = oz; abbreviation for pound = lb.

c = 1 oz  
th = 2 oz  
f = 3 oz

p = 4 oz  
r = 5 oz  
ch = 6 oz

e = 7 oz  
ie = 8 oz  
b = 9 oz



ch

ie

f

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= \_\_\_\_\_ lb. \_\_\_\_\_ oz

p

ie

c

e

=

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= \_\_\_\_\_ lb. \_\_\_\_\_ oz

th

ie

f

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= \_\_\_\_\_ lb. \_\_\_\_\_ oz

b

r

ie

f

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

= \_\_\_\_\_ lb. \_\_\_\_\_ oz



# Phonogram Math: ie Weight

Read the following words:

fief	brief	chief	thief	grief	priest
piece	niece	field	yield	shield	sieve
pierce	fierce	shriek	grieve	siege	tier

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c = 1 oz  
th = 2 oz  
f = 3 oz

p = 4 oz  
r = 5 oz  
ch = 6 oz

e = 7 oz  
ie = 8 oz  
b = 9 oz



ch	ie	f	
<u>6 oz</u>	<u>8 oz</u>	<u>3 oz</u>	= <u>1</u> lb. <u>1</u> oz

p	ie	c	e	=
<u>4 oz</u>	<u>8 oz</u>	<u>1 oz</u>	<u>7 oz</u>	= <u>1</u> lb. <u>4</u> oz

th	ie	f	
<u>2 oz</u>	<u>8 oz</u>	<u>3 oz</u>	= <u>          </u> lb. <u>15</u> oz

b	r	ie	f	
<u>9 oz</u>	<u>5 oz</u>	<u>8 oz</u>	<u>3 oz</u>	= <u>1</u> lb. <u>9</u> oz